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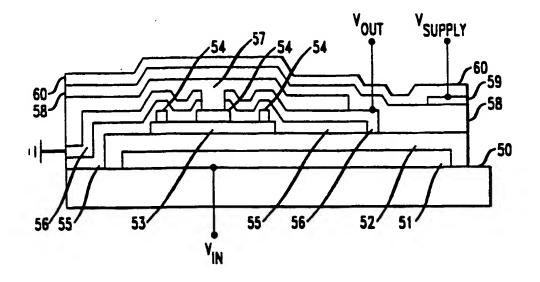
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- (54) Circuit comprising complementary thin film transistors
- (57) In preferred embodiments of the invention, the n-channel inorganic TFTs have an amorphous Si active layer (53), and the p-channel organic TFTs have α -hexathienylene (α 6T) active layer (58). Complementary

inverters according to the invention are disclosed, as is an exemplary processing sequence that can be used to manufacture integrated complementary inverters and other complementary circuits according to the invention.

FIG. 9





EUROPEAN SEARCH REPORT

EP 97 30 0063

	DOCUMENTS CONSIDERE		Relevant	CLASSIBLATION OF THE	
Category	Citation of document with indicati of relevant passages	on, where appropriate,	to claim	CLASSIFICATION OF THE APPLICATION (Int.C1.6)	
P,X	DODABALAPUR A ET AL: "Hybrid organic/inorganic complementary circuits" APPLIED PHYSICS LETTERS, 15 APRIL 1996, AIP, USA, vol. 68, no. 16, ISSN 0003-6951, pages 2246-2248, XP002055715 * the whole document *		1,2,4-6	H01L51/20 H01L51/30 H01L27/12	
E	US 5 612 228 A (SHIEH CHAN-LONG ET AL) * column 2, line 3 - column 2, line 30; claims 1-18; figures 5,6 *		1,2,4-6		
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 016 (E-872), 12 January 1989 & JP 01 259563 A (MITSUBISHI ELECTRIC CORP), 17 October 1989, * abstract *				
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	The present search report has been	drawn up for all claims			
Place of search		Date of completion of the search		Examiner	
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X:pa Y:pa do A.lec O:no	nicularly relevant if taken alone ricularly relevant if combined with another cument of the same category phrological background phrometries disclosure emediate document	E : theory or princip E : earlier patent do after the filling da D : document cited i L : document cited i & : member of the s document	cument, but pub te in the application or other reasons	District on or	

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